

ABSTRACT

~~The invention relates to a~~ A gas discharge source, in particular, for generating extreme ultraviolet and/or soft X-radiation, ~~in which~~ has a gas-filled intermediate electrode space [(3)] located between two electrodes, ~~(1, 2), in which~~ devices for the admission and evacuation of gas ~~are present~~, and ~~in which~~ one electrode ~~(1)~~ exhibits that has an opening [(5)] that defines an axis of symmetry [(4)] and is provided for the discharge of radiation. ~~The proposed improvements constitute the presence of a~~ A diaphragm ~~(6), which~~ exhibits at least one opening [(7)] on the axis of symmetry [(4)] and operates as a differential pump stage, between the two electrodes ~~(1, 2)~~.

Fig. 2